

Title (en)

METHOD AND APPARATUS FOR MEASURING RADIAL FORCE DURING TIRE BUILDING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG DER RADIALEN KRAFT WÄHREND DES REIFENAUFBAUS

Title (fr)

PROCÉDÉ ET APPAREIL POUR MESURER LA FORCE RADIALE PENDANT LA FABRICATION D'UN PNEU

Publication

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Application

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Abstract (en)

A method of determining the force variation on a green tire (64) using a roller assembly (20) comprising a pressure roller (22) is disclosed. The method comprises the steps of: forming a green tire (64) having a tread and belt assembly, stitching the outer surface of the tread using the pressure roller (22), and measuring the radial force by a sensor (26) mounted in the roller assembly (20). Also, an apparatus for building tires is disclosed. The apparatus comprises a tire building drum (14) and a stitching device (20), wherein the stitching device (20) comprises a pressure roller (22) rotatably mounted in a first and second bearing (24) located on each end of the pressure roller (22), and a first and second axle sensor (26), each axle sensor having a spindle (28) mounted within a respective bearing (24) for measuring forces on the pressure roller (22).

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